

□ = differences from F(ab)-12

F(ab)-12 DIQMTQSPSSLSASVGDRTITCSASQDISNYLNWYQQ  
 Y0192 DIQ<sup>10</sup>LTQSPSSLSASVGDRTITC<sup>20</sup>RA<sup>30</sup>NEQLSNYLNWYQQ  
 Y0238-3 DIQ<sup>10</sup>LTQSPSSLSASVGDRTITC<sup>20</sup>RA<sup>30</sup>NEQLSNYLNWYQQ  
 Y0239-19 DIQ<sup>10</sup>LTQSPSSLSASVGDRTITC<sup>20</sup>RA<sup>30</sup>NEQLSNYLNWYQQ  
 Y0313-2 DIQ<sup>10</sup>LTQSPSSLSASVGDRTITC<sup>20</sup>RA<sup>30</sup>NEQLSNYLNWYQQ

F(ab)-12 KPGKAPKVL<sup>40</sup>IYFTSS<sup>50</sup>HLHSGVPSRFSGSGGT<sup>60</sup>DFTLTIS  
 Y0192 KPGKAPKVL<sup>40</sup>IYFTSS<sup>50</sup>HLHSGVPSRFSGSGGT<sup>60</sup>DFTLTIS  
 Y0238-3 KPGKAPKVL<sup>40</sup>IYFTSS<sup>50</sup>HLHSGVPSRFSGSGGT<sup>60</sup>DFTLTIS  
 Y0239-19 KPGKAPKVL<sup>40</sup>IYFTSS<sup>50</sup>HLHSGVPSRFSGSGGT<sup>60</sup>DFTLTIS  
 Y0313-2 KPGKAPKVL<sup>40</sup>IYFTSS<sup>50</sup>HLHSGVPSRFSGSGGT<sup>60</sup>DFTLTIS

F(ab)-12 SLQPEDFATY<sup>80</sup>CCQ<sup>90</sup>YSTVPWTFGQ<sup>100</sup>GKVEIKRTV (SEQ ID NO:94)  
 Y0192 SLQPEDFATY<sup>80</sup>CCQ<sup>90</sup>YSTVPWTFGQ<sup>100</sup>GKVEIKRTV (SEQ ID NO:95)  
 Y0238-3 SLQPEDFATY<sup>80</sup>CCQ<sup>90</sup>YSTVPWTFGQ<sup>100</sup>GKVEIKRTV (SEQ ID NO:95)  
 Y0239-19 SLQPEDFATY<sup>80</sup>CCQ<sup>90</sup>YSTVPWTFGQ<sup>100</sup>GKVEIKRTV (SEQ ID NO:95)  
 Y0313-2 SLQPEDFATY<sup>80</sup>CCQ<sup>90</sup>YSTVPWTFGQ<sup>100</sup>GKVEIKRTV (SEQ ID NO:95)

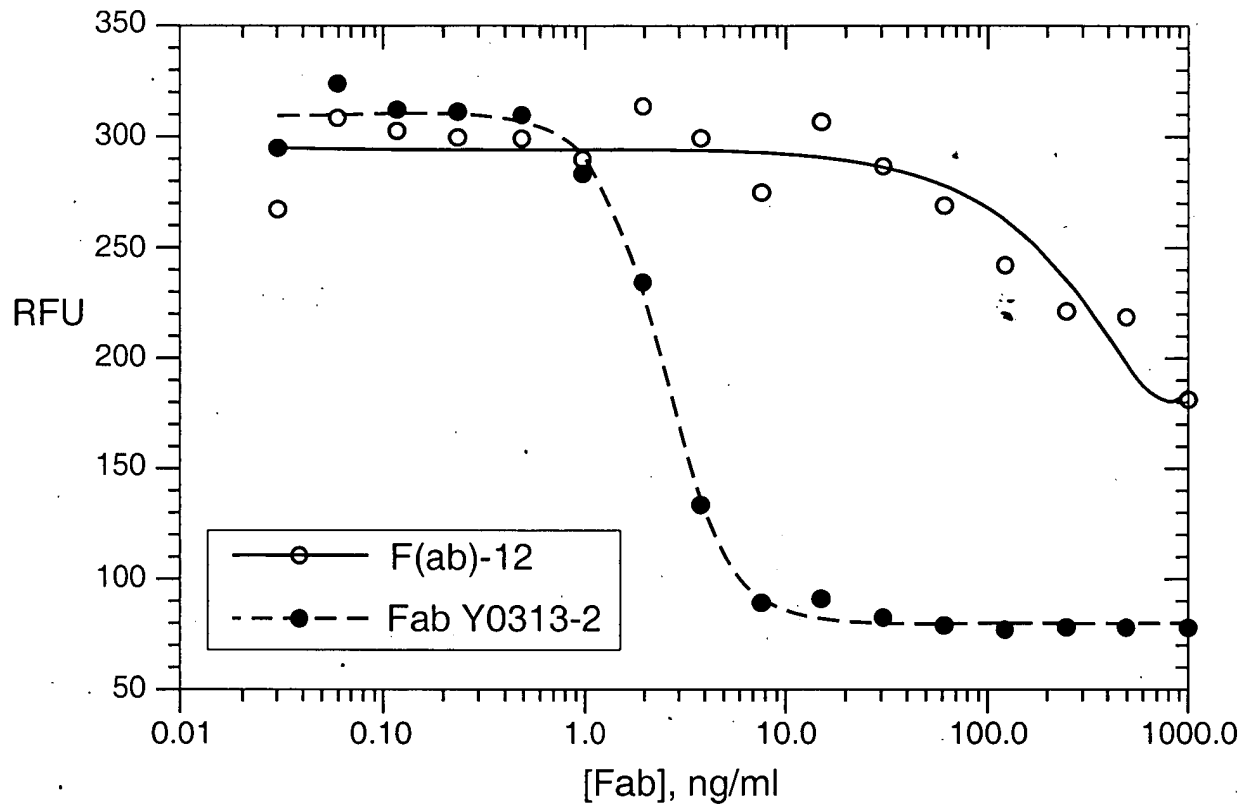
CDR-L3

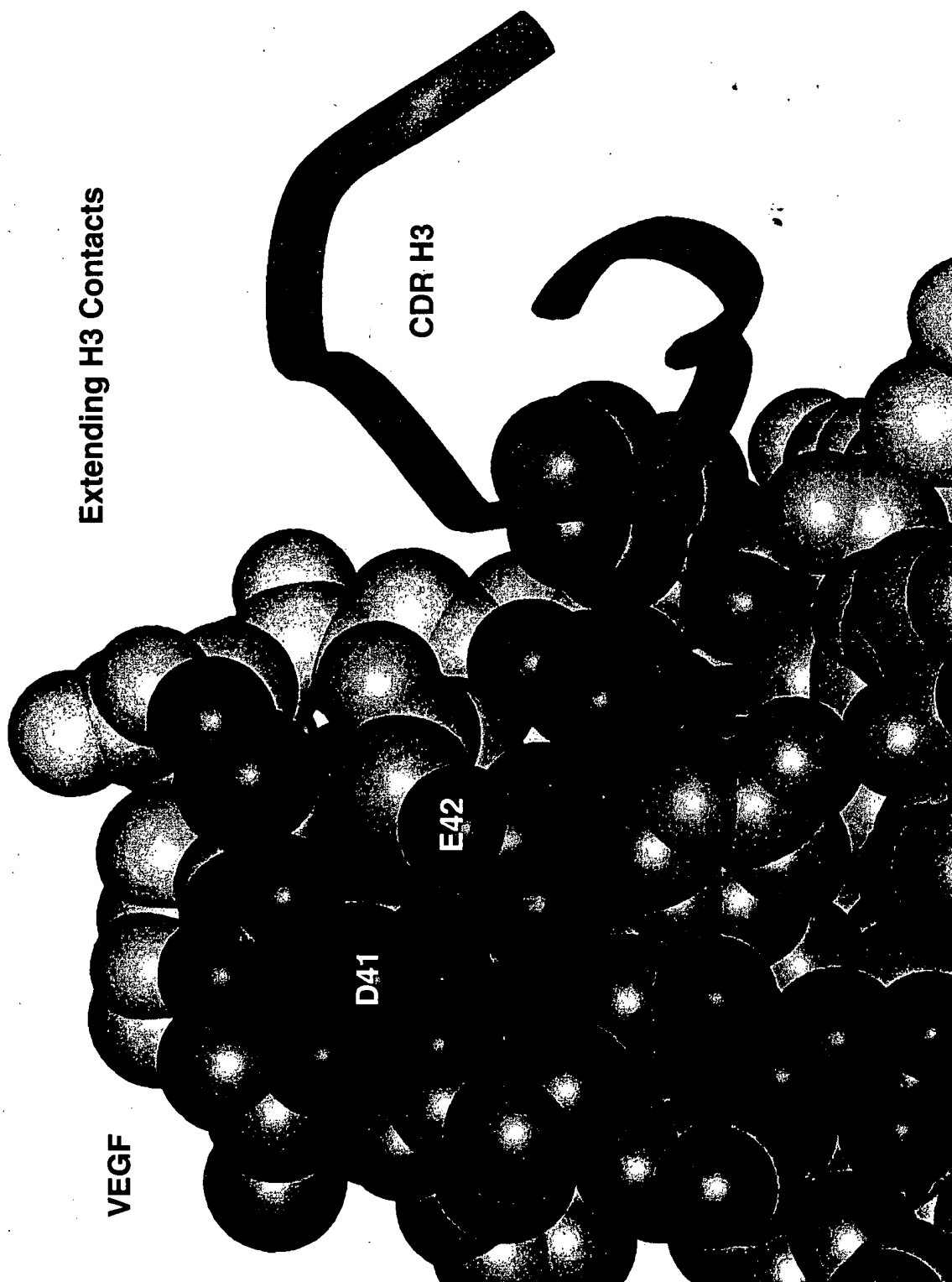
**FIG. 1A**

□ = differences from F(ab)-12

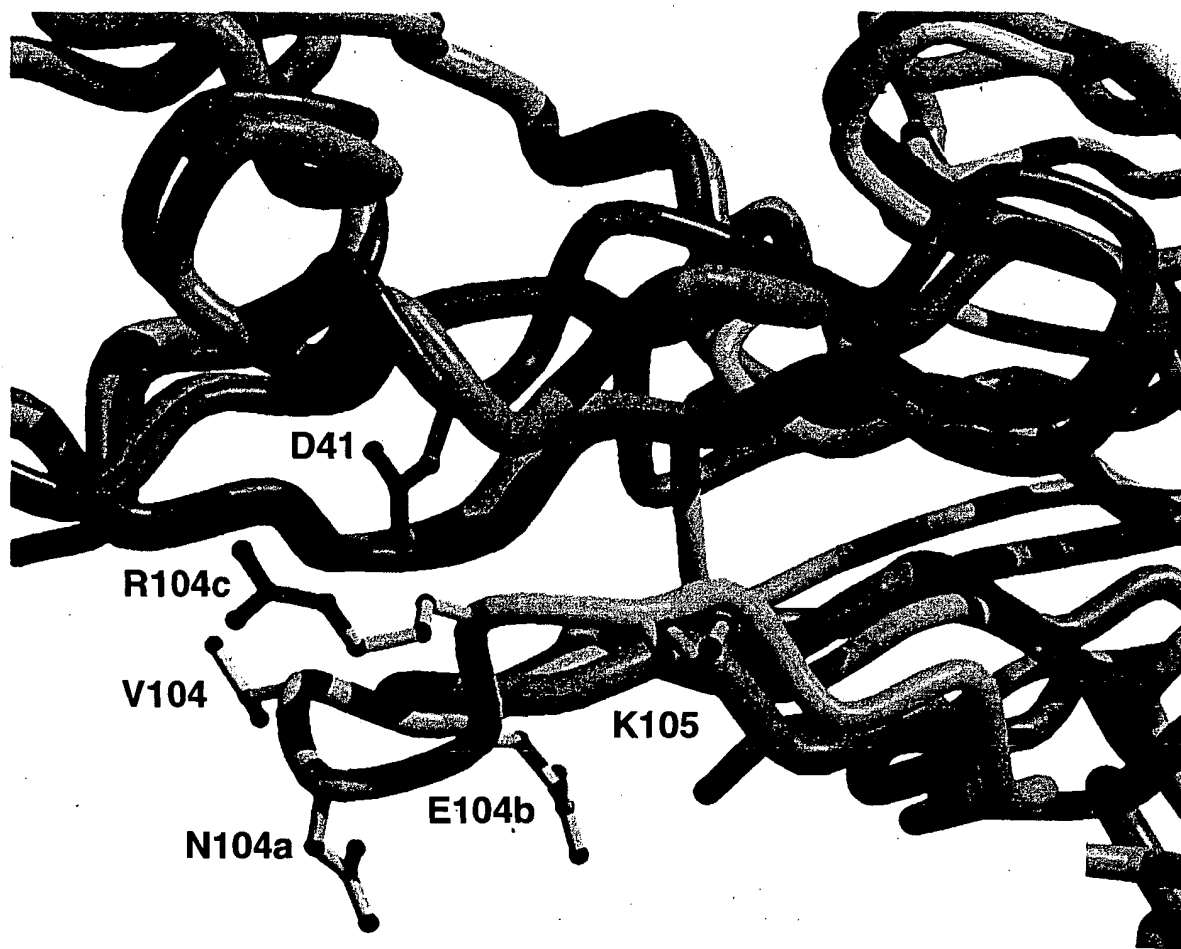
	10	20	30	
F(ab)-12	EVQLVESGGGLVQPGGSLRLS	CAASGYTF	TNYGMNWVR	
Y0192	EVQLVESGGGLVQPGGSLRLS	CAASGYTF	TNYGMNWVR	
Y0238-3	EVQLVESGGGLVQPGGSLRLS	CAASGYDFT	THYGMNWVR	
Y0239-19	EVQLVESGGGLVQPGGSLRLS	CAASGYTF	TNYGMNWVR	
Y0313-2	EVQLVESGGGLVQPGGSLRLS	CAASGYDFT	THYGMNWVR	
	40	50	60	70
F(ab)-12	QAPGKGLEWVGWINTYTG	EPTYAADF	KRRFTFSL	DTSKSTA
Y0192	QAPGKGLEWVGWINTYTG	EPTYAADF	KRRFTFSL	DTSKSTA
Y0238-3	QAPGKGLEWVGWINTYTG	EPTYAADF	KRRFTFSL	DTSKSTA
Y0239-19	QAPGKGLEWVGWINTYTG	EPTYAADF	KRRFTFSL	DTSKSTA
Y0313-2	QAPGKGLEWVGWINTYTG	EPTYAADF	KRRFTFSL	DTSKSTA
	80	90	100	
F(ab)-12	YLQMNSLRAEDTAVYYCAKYPHYG	---	SSHWF	FDVWGQGT
Y0192	YLQMNSLRAEDTAVYYCAKYPHYG	---	SSHWF	FDVWGQGT
Y0238-3	YLQMNSLRAEDTAVYYCAKYPHYG	---	SSHWF	FDVWGQGT
Y0239-19	YLQMNSLRAEDTAVYYCAKYPHY	VNERK	SHWF	FDVWGQGT
Y0313-2	YLQMNSLRAEDTAVYYCAKYPHY	VNERK	SHWF	FDVWGQGT
	CDR-H1			
	CDR-H2			
	CDR-H3			
	CDR-7			

**FIG. 1B**

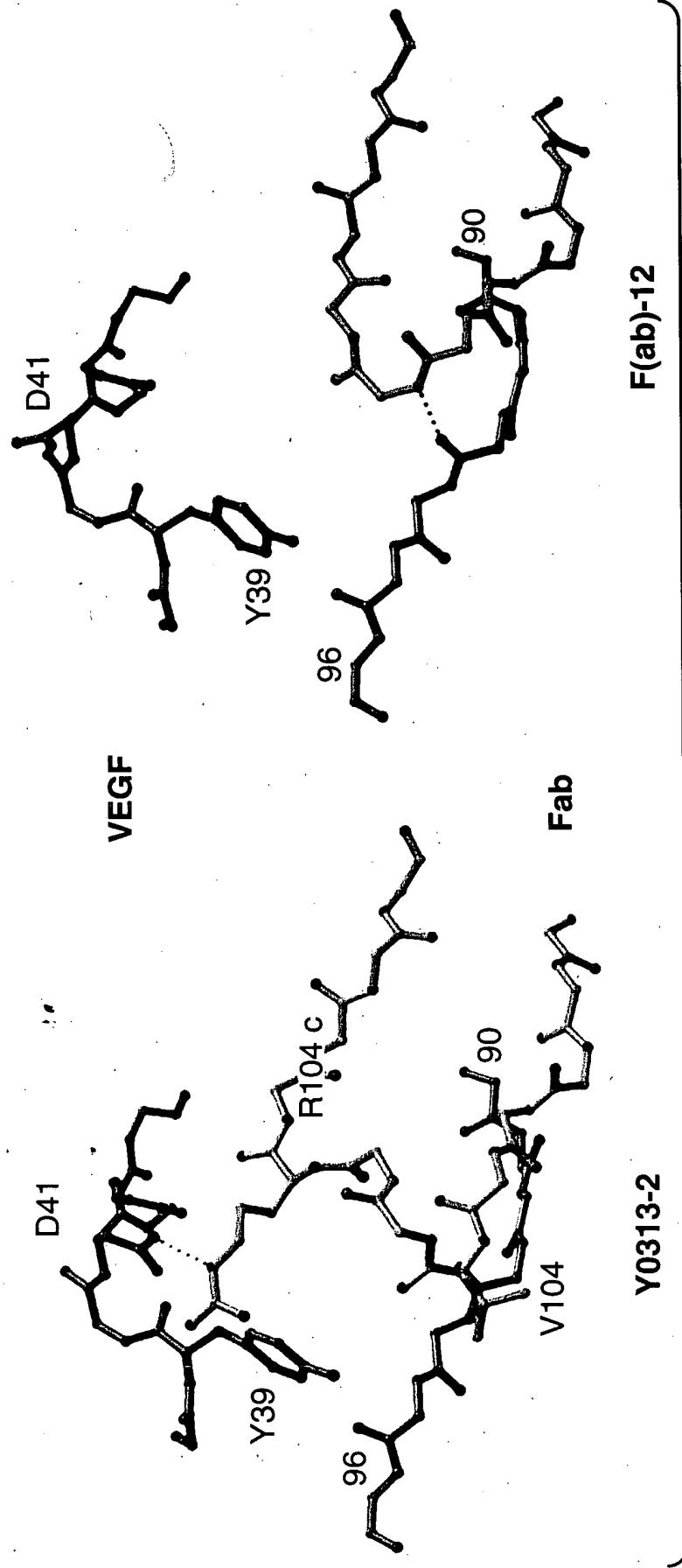
**FIG.\_2**



**FIG.\_3**



**FIG.\_4**



**FIG. 5**